Data Analyst

Mark McDougall

# CONTACT

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Edinburgh, UK 

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# EDUCATION

MSC Business IT

Edinburgh Napier University

2012 – 2014

Edinburgh, UK

MCHEM Chemistry

University of Edinburgh

2005 – 2010

Edinburgh, UK

# SKILLS

Data Analysis: Python (Pandas, Numpy, various others), SQL, Power BI

Data Visualisation: Python (Holoviz, Plotly, hvplot, Panel, Seaborn), Power BI

Geospatial Analysis and Mapping: Python (Geoviews, Geopandas, Shapely, Cartopy)

Databases: Postgres, SQLite,

MS SQL

Containerization: Docker

Version Control: GIT

Agile Project Management: Jira

Customer Interaction: Salesforce

# PERSONAL INTERESTS

Home Automation: Home Assistant

DIY Electronics: Raspberry Pi, soldering, breadboards, various sensors

3D Printing

CAD Modelling

# WORK EXPERIENCE

## Data Analyst

S and P Global Platts

September 2021 – March 2023 / Remote

Supported two development teams in the migration of approximately 150 datasets to DataBricks through end-to-end analysis of existing dataflows

Used Python, SQL and DataBricks to produce an automated, twice daily email report that alerted the Data Collections team to any issues with datasets missing data

Produced a workflow in Python that allowed external customers to access and process data using an api

Performed software releases of the BAU team’s data fixes to the Production environment

Greatly improved the onboarding of new BAU team members by identifying current processes and writing documentation

## Senior Data Analyst

B and P O

April 2019 - March 2021 / Edinburgh, UK and Remote

Delivered bespoke analytics reports for multinational, household name clients

Produced interactive presales reports to assist the sales team in winning new business

Delivered a new geospatial analytics method that resulted in multiple new clients and tens of thousands of pounds in revenue

Sourced, cleaned and transformed freely available online datasets from multiple reputable sources to produce richer, original datasets with actionable business value, saving my employer tens of thousands annually in data costs

## Senior Data Analyst

Adapptive

April 2017 - April 2019 / Edinburgh, UK

In collaboration with four developers, led the successful delivery of multiple new features and the full redesign of the existing functionality of the Adapptive advertising software product

Produced mock data datasets to enable the development, testing and demonstration of new software features

Managed a team of four developers and a data analyst when my boss was frequently working remotely at another office

Recruited, trained and mentored a new data analyst

## Data Analyst

Red Fox Media

January 2015 - April 2017 / Edinburgh, UK

Designed, trafficked, managed and optimized ad campaigns, including the production of customer data segments

Cleaned, processed, updated and managed client data files and third-party data sources